

Table B-57. Number of 1993 science and engineering master's degree recipients by sex, race/ethnicity, and field of degree: April 1995

| Major field | Total recipients | Sex | | Race/ethnicity | | | | |
|--|------------------|--------|--------|---------------------|---------------------|----------|---------------------------|--------------------------------|
| | | Male | Female | White, non-Hispanic | Black, non-Hispanic | Hispanic | Asian or Pacific Islander | American Indian/Alaskan Native |
| All science and engineering fields..... | 73,200 | 45,400 | 27,800 | 51,800 | 3,200 | 3,300 | 14,500 | 400 |
| Major type | | | | | | | | |
| Total science..... | 50,200 | 26,400 | 23,800 | 37,500 | 2,500 | 2,400 | 7,400 | 400 |
| Total engineering..... | 23,000 | 19,000 | 4,000 | 14,200 | 700 | 900 | 7,100 | S |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 8,800 | 4,000 | 8,200 | 500 | S | 3,800 | S |
| Computer science and information sciences..... | 9,100 | 6,800 | 2,300 | 5,500 | S | S | 3,000 | S |
| Mathematics and related sciences..... | 3,700 | 2,000 | 1,700 | 2,700 | S | S | 800 | S |
| Life and related sciences, total..... | 7,600 | 4,300 | 3,300 | 6,000 | S | 300 | 1,100 | S |
| Agricultural and food sciences..... | 1,200 | 800 | 500 | 1,000 | S | S | S | S |
| Biological sciences..... | 5,500 | 3,000 | 2,600 | 4,300 | S | S | 900 | S |
| Environmental life sciences including forestry sciences..... | 800 | 600 | 300 | 800 | S | S | S | S |
| Physical and related sciences, total..... | 4,800 | 3,300 | 1,500 | 3,500 | S | S | 1,100 | S |
| Chemistry, except biochemistry..... | 1,700 | 900 | 800 | 1,100 | S | S | 500 | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 1,000 | 300 | 1,100 | S | S | S | S |
| Physics and astronomy..... | 1,700 | 1,400 | 300 | 1,200 | S | S | 400 | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 10,000 | 14,900 | 19,900 | 1,700 | 1,800 | 1,400 | 200 |
| Economics..... | 1,900 | 1,200 | 700 | 1,200 | S | S | S | S |
| Political science and related sciences..... | 4,400 | 2,500 | 2,000 | 3,600 | S | S | S | S |
| Psychology..... | 12,600 | 3,700 | 8,900 | 10,200 | 1,000 | 1,000 | S | S |
| Sociology and anthropology..... | 2,200 | 900 | 1,400 | 1,800 | S | S | S | S |
| Other social sciences..... | 3,800 | 1,700 | 2,100 | 3,100 | 300 | S | S | S |
| Engineering, total..... | 23,000 | 19,000 | 4,000 | 14,200 | 700 | 900 | 7,100 | S |
| Aerospace and related engineering..... | 800 | 700 | S | 700 | S | S | S | S |
| Chemical engineering..... | 900 | 700 | 200 | 500 | S | S | 400 | S |
| Civil and architectural engineering..... | 2,900 | 2,400 | 500 | 1,700 | S | S | 1,000 | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 6,900 | 1,400 | 4,400 | S | S | 3,300 | S |
| Industrial engineering..... | 1,500 | 1,200 | 300 | 1,000 | S | S | 300 | S |
| Mechanical engineering..... | 3,900 | 3,500 | S | 2,700 | S | S | 1,000 | S |
| Other engineering..... | 4,700 | 3,600 | 1,100 | 3,300 | S | S | 1,100 | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-58. Number of 1993 science and engineering master's degree recipients, by race/ethnicity, by sex, and field of degree: April 1995

| Major field | Race/ethnicity | | | | | | | | | |
|--|---------------------|--------|---------------------|--------|----------|--------|---------------------------|--------|--------------------------------|--------|
| | White, non-Hispanic | | Black, non-Hispanic | | Hispanic | | Asian or Pacific Islander | | American Indian/Alaskan Native | |
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| All science and engineering fields..... | 31,500 | 20,300 | 1,600 | 1,600 | 1,800 | 1,600 | 10,400 | 4,100 | 200 | 100 |
| Major type | | | | | | | | | | |
| Total science..... | 19,600 | 17,900 | 1,100 | 1,400 | 1,000 | 1,500 | 4,600 | 2,800 | 200 | 100 |
| Total engineering..... | 11,900 | 2,400 | 500 | S | 800 | S | 5,800 | 1,300 | S | S |
| Major field | | | | | | | | | | |
| Computer and mathematical sciences, total..... | 5,800 | 2,500 | S | S | S | S | 2,500 | 1,300 | S | S |
| Computer science and information sciences..... | 4,300 | 1,200 | S | S | S | S | 2,100 | S | S | S |
| Mathematics and related sciences..... | 1,500 | 1,300 | S | S | S | S | S | S | S | S |
| Life and related sciences, total..... | 3,400 | 2,600 | S | S | S | S | 700 | S | S | S |
| Agricultural and food sciences..... | 600 | 300 | S | S | S | S | S | S | S | S |
| Biological sciences..... | 2,300 | 2,000 | S | S | S | S | S | S | S | S |
| Environmental life sciences including forestry sciences..... | 500 | S | S | S | S | S | S | S | S | S |
| Physical and related sciences, total..... | 2,500 | 1,000 | S | S | S | S | 700 | 400 | S | S |
| Chemistry, except biochemistry..... | 600 | 500 | S | S | S | S | S | S | S | S |
| Earth sciences, geology, and oceanography..... | 800 | 200 | S | S | S | S | S | S | S | S |
| Physics and astronomy..... | 1,000 | S | S | S | S | S | 400 | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 8,000 | 11,900 | 600 | 1,200 | 700 | 1,100 | 700 | 700 | S | S |
| Economics..... | 800 | S | S | S | S | S | S | S | S | S |
| Political science and related sciences..... | 2,000 | 1,700 | S | S | S | S | S | S | S | S |
| Psychology..... | 3,100 | 7,100 | S | 800 | S | 800 | S | S | S | S |
| Sociology and anthropology..... | 700 | 1,100 | S | S | S | S | S | S | S | S |
| Other social sciences..... | 1,400 | 1,700 | S | S | S | S | S | S | S | S |
| Engineering, total..... | 11,900 | 2,400 | 500 | S | 800 | S | 5,800 | 1,300 | S | S |
| Aerospace and related engineering..... | 600 | S | S | S | S | S | S | S | S | S |
| Chemical engineering..... | 300 | S | S | S | S | S | 300 | S | S | S |
| Civil and architectural engineering..... | 1,400 | S | S | S | S | S | 900 | S | S | S |
| Electrical, electronic, computer and communications engineering..... | 3,900 | S | S | S | S | S | 2,400 | S | S | S |
| Industrial engineering..... | 800 | S | S | S | S | S | S | S | S | S |
| Mechanical engineering..... | 2,400 | S | S | S | S | S | 900 | S | S | S |
| Other engineering..... | 2,400 | 900 | S | S | S | S | 900 | S | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-59. Number of 1993 science and engineering master's degree recipients, by age and field of degree: April 1995

| Major field | Total recipients | Age | | | | |
|--|------------------|--------------|--------|--------|-------|------------|
| | | Less than 25 | 25-29 | 30-34 | 35-39 | 40 or more |
| All science and engineering fields..... | 73,200 | 1,700 | 32,600 | 19,300 | 9,100 | 10,500 |
| Major type | | | | | | |
| Total science..... | 50,200 | 1,000 | 21,500 | 11,900 | 6,500 | 9,300 |
| Total engineering..... | 23,000 | 600 | 11,100 | 7,400 | 2,600 | 1,200 |
| Major field | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | S | 5,500 | 3,600 | 2,000 | 1,400 |
| Computer science and information sciences..... | 9,100 | S | 3,300 | 2,900 | 1,500 | 1,100 |
| Mathematics and related sciences..... | 3,700 | S | 2,200 | 700 | 500 | S |
| Life and related sciences, total..... | 7,600 | S | 3,600 | 1,800 | 900 | 900 |
| Agricultural and food sciences..... | 1,200 | S | 500 | 400 | S | S |
| Biological sciences..... | 5,500 | S | 2,700 | 1,300 | 700 | 600 |
| Environmental life sciences including forestry sciences..... | 800 | S | 400 | S | S | S |
| Physical and related sciences, total..... | 4,800 | S | 2,300 | 1,300 | 700 | 500 |
| Chemistry, except biochemistry..... | 1,700 | S | 800 | 400 | 300 | S |
| Earth sciences, geology, and oceanography..... | 1,300 | S | 400 | 500 | S | S |
| Physics and astronomy..... | 1,700 | S | 1,000 | 300 | S | S |
| Other physical sciences..... | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | S | 10,100 | 5,200 | 3,000 | 6,500 |
| Economics..... | 1,900 | S | 900 | 700 | S | S |
| Political science and related sciences..... | 4,400 | S | 2,300 | 1,000 | S | 600 |
| Psychology..... | 12,600 | S | 4,600 | 1,900 | 1,700 | 4,300 |
| Sociology and anthropology..... | 2,200 | S | 900 | 600 | S | 500 |
| Other social sciences..... | 3,800 | S | 1,500 | 1,100 | S | 1,000 |
| Engineering, total..... | 23,000 | 600 | 11,100 | 7,400 | 2,600 | 1,200 |
| Aerospace and related engineering..... | 800 | S | 500 | S | S | S |
| Chemical engineering..... | 900 | S | 600 | S | S | S |
| Civil and architectural engineering..... | 2,900 | S | 1,500 | 1,000 | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | S | 4,200 | 2,600 | 1,000 | S |
| Industrial engineering..... | 1,500 | S | 700 | 400 | S | S |
| Mechanical engineering..... | 3,900 | S | 2,000 | 1,100 | S | S |
| Other engineering..... | 4,700 | S | 1,700 | 1,800 | 700 | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-60. Number of 1993 science and engineering master's degree recipients residing in the United States who are U.S. citizens, foreign born, and number who attended a foreign high school, by field of degree: April 1995

| Major field | Total recipients | U.S. citizens 1/ | Foreign born 1/ | Attended foreign high school 2/ |
|--|------------------|------------------|-----------------|---------------------------------|
| All science and engineering fields..... | 73,200 | 59,000 | 19,700 | 16,100 |
| Major type | | | | |
| Total science..... | 50,200 | 42,200 | 11,100 | 8,800 |
| Total engineering..... | 23,000 | 16,700 | 8,600 | 7,300 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 9,600 | 4,500 | 3,900 |
| Computer science and information sciences..... | 9,100 | 6,600 | 3,500 | 3,100 |
| Mathematics and related sciences..... | 3,700 | 3,000 | 1,000 | 800 |
| Life and related sciences, total..... | 7,600 | 6,500 | 1,500 | 1,100 |
| Agricultural and food sciences..... | 1,200 | 1,000 | S | S |
| Biological sciences..... | 5,500 | 4,700 | 1,200 | 800 |
| Environmental life sciences including forestry sciences..... | 800 | 800 | S | S |
| Physical and related sciences, total..... | 4,800 | 3,500 | 1,500 | 1,400 |
| Chemistry, except biochemistry..... | 1,700 | 1,200 | 600 | 500 |
| Earth sciences, geology, and oceanography..... | 1,300 | 1,100 | S | S |
| Physics and astronomy..... | 1,700 | 1,100 | 700 | 700 |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 22,700 | 3,600 | 2,400 |
| Economics..... | 1,900 | 1,200 | 800 | 700 |
| Political science and related sciences..... | 4,400 | 3,900 | 1,000 | 600 |
| Psychology..... | 12,600 | 12,100 | 1,000 | S |
| Sociology and anthropology..... | 2,200 | 2,000 | S | S |
| Other social sciences..... | 3,800 | 3,500 | S | S |
| Engineering, total..... | 23,000 | 16,700 | 8,600 | 7,300 |
| Aerospace and related engineering..... | 800 | 800 | S | S |
| Chemical engineering..... | 900 | 700 | 300 | 300 |
| Civil and architectural engineering..... | 2,900 | 1,900 | 1,200 | 1,100 |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 5,700 | 3,800 | 3,100 |
| Industrial engineering..... | 1,500 | 1,100 | 500 | 400 |
| Mechanical engineering..... | 3,900 | 2,900 | 1,300 | 1,100 |
| Other engineering..... | 4,700 | 3,700 | 1,300 | 1,200 |

1/ Some U.S. citizens are foreign-born. Therefore, the separate columns do not add to the "Total recipients" total.

2/ Data include both U.S. citizens and foreign nationals.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-61. Number of 1993 science and engineering master's degree recipients residing in the United States who are native-born or naturalized U.S. citizens, and number who are permanent or temporary residents, by field of degree: April 1995

| Major field | Total recipients | U.S. citizen | | Non-U.S. citizen | |
|--|------------------|--------------|-------------|--------------------|---------------------------|
| | | Native born | Naturalized | Permanent resident | Temporary resident/ other |
| All science and engineering fields..... | 73,200 | 54,400 | 4,600 | 6,300 | 7,900 |
| Major type | | | | | |
| Total science..... | 50,200 | 39,800 | 2,400 | 3,900 | 4,100 |
| Total engineering..... | 23,000 | 14,600 | 2,100 | 2,400 | 3,800 |
| Major field | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 8,500 | 1,000 | 1,700 | 1,500 |
| Computer science and information sciences..... | 9,100 | 5,700 | S | 1,400 | S |
| Mathematics and related sciences..... | 3,700 | 2,800 | S | S | S |
| Life and related sciences, total..... | 7,600 | 6,100 | S | S | 600 |
| Agricultural and food sciences..... | 1,200 | 1,000 | S | S | S |
| Biological sciences..... | 5,500 | 4,400 | S | S | S |
| Environmental life sciences including forestry sciences... | 800 | 700 | S | S | S |
| Physical and related sciences, total..... | 4,800 | 3,400 | S | 700 | 700 |
| Chemistry, except biochemistry..... | 1,700 | 1,100 | S | 300 | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 1,100 | S | S | S |
| Physics and astronomy..... | 1,700 | 1,100 | S | S | 400 |
| Other physical sciences..... | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 21,700 | 900 | 1,000 | 1,200 |
| Economics..... | 1,900 | 1,100 | S | S | 500 |
| Political science and related sciences..... | 4,400 | 3,600 | S | S | S |
| Psychology..... | 12,600 | 11,800 | S | S | S |
| Sociology and anthropology..... | 2,200 | 1,900 | S | S | S |
| Other social sciences..... | 3,800 | 3,400 | S | S | S |
| Engineering, total..... | 23,000 | 14,600 | 2,100 | 2,400 | 3,800 |
| Aerospace and related engineering..... | 800 | 700 | S | S | S |
| Chemical engineering..... | 900 | 600 | S | S | S |
| Civil and architectural engineering..... | 2,900 | 1,700 | S | S | 700 |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 4,600 | 1,000 | 1,100 | 1,500 |
| Industrial engineering..... | 1,500 | 900 | S | S | S |
| Mechanical engineering..... | 3,900 | 2,600 | S | S | 800 |
| Other engineering..... | 4,700 | 3,400 | S | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-62. Number of 1993 science and engineering master's degree recipients (sampled degree only) who received financial support from various sources for 1993 master's degree, by field of degree: April 1995

| Major field | Total recipients, sampled degree 1/ | Sources of support | | | | | | | |
|--|-------------------------------------|--------------------------|------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------------|---------------------------------|---------------|
| | | Earnings from employment | Gifts from parents/relatives | Scholarships, grants, fellowships | Loans from college, bank, government | Assistantships, work study | Employee assistance | Loans from parents or relatives | Other sources |
| All science and engineering fields..... | 72,700 | 39,900 | 26,000 | 35,500 | 19,500 | 32,900 | 18,500 | 4,000 | 1,100 |
| Major type | | | | | | | | | |
| Total science..... | 49,900 | 28,600 | 18,100 | 24,600 | 16,000 | 22,500 | 10,500 | 2,600 | 900 |
| Total engineering..... | 22,800 | 11,300 | 7,900 | 10,900 | 3,500 | 10,400 | 8,000 | 1,400 | S |
| Major field | | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 6,600 | 3,700 | 5,600 | 2,000 | 5,500 | 4,400 | S | S |
| Computer science and information sciences..... | 9,100 | 4,800 | 2,500 | 3,300 | 1,200 | 3,200 | 3,600 | S | S |
| Mathematics and related sciences..... | 3,700 | 1,800 | 1,200 | 2,300 | 800 | 2,400 | 800 | S | S |
| Life and related sciences, total..... | 7,600 | 3,800 | 3,200 | 4,000 | 2,700 | 3,800 | 1,700 | S | S |
| Agricultural and food sciences..... | 1,200 | 700 | 300 | 700 | 300 | 800 | 300 | S | S |
| Biological sciences..... | 5,500 | 2,600 | 2,500 | 2,800 | 2,100 | 2,700 | 1,000 | S | S |
| Environmental life sciences including forestry sciences..... | 800 | 600 | 300 | 400 | S | 400 | S | S | S |
| Physical and related sciences, total..... | 4,800 | 2,100 | 1,100 | 3,400 | 800 | 3,200 | 1,000 | S | S |
| Chemistry, except biochemistry..... | 1,700 | 600 | 400 | 1,200 | 200 | 1,100 | 400 | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 800 | 400 | 900 | 300 | 900 | S | S | S |
| Physics and astronomy..... | 1,700 | 700 | 300 | 1,300 | S | 1,200 | 400 | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 24,800 | 16,100 | 10,100 | 11,700 | 10,500 | 10,000 | 3,400 | 1,500 | S |
| Economics..... | 1,900 | 1,000 | 700 | 1,300 | 600 | 1,000 | S | S | S |
| Political science and related sciences..... | 4,400 | 2,800 | 2,000 | 2,400 | 1,800 | 1,800 | 600 | S | S |
| Psychology..... | 12,500 | 8,500 | 5,200 | 4,600 | 6,000 | 4,600 | 1,500 | S | S |
| Sociology and anthropology..... | 2,200 | 1,500 | 800 | 1,600 | 800 | 1,300 | S | S | S |
| Other social sciences..... | 3,700 | 2,300 | 1,600 | 1,900 | 1,400 | 1,400 | 800 | S | S |
| Engineering, total..... | 22,800 | 11,300 | 7,900 | 10,900 | 3,500 | 10,400 | 8,000 | 1,400 | S |
| Aerospace and related engineering..... | 800 | 300 | 300 | 400 | S | 400 | 300 | S | S |
| Chemical engineering..... | 900 | 400 | S | 500 | S | 500 | 400 | S | S |
| Civil and architectural engineering..... | 2,900 | 1,600 | 900 | 1,700 | 800 | 1,400 | 700 | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,200 | 4,400 | 3,200 | 3,500 | 1,100 | 3,400 | 3,100 | S | S |
| Industrial engineering..... | 1,400 | 800 | 600 | 800 | S | 600 | 400 | S | S |
| Mechanical engineering..... | 3,800 | 1,600 | 1,500 | 1,900 | 700 | 2,000 | 1,100 | S | S |
| Other engineering..... | 4,700 | 2,300 | 1,300 | 2,000 | S | 2,100 | 2,000 | S | S |

1/ This table includes only those graduates who were sampled for a 1993 master's degree and excludes those who received a 1993 master's degree in addition to their sampled degree. Therefore, the "Total recipients, sampled degree" will not match the "Total recipients" column on other 1993 master's tables.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Respondents may have multiple sources of support. Therefore, column entries will not add to "Technical recipients, sampled degree."

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-63. Number of 1993 science and engineering master's degree recipients who have taken additional courses since most recent degree and enrollment status on April 15, 1995, by field of degree: April 1995

| Major field | Total recipients | Have taken additional courses since most recent degree 1/ | April 15, 1995 status | | |
|--|------------------|---|-----------------------|-------------------|-------------|
| | | | Full-time student | Part-time student | Not student |
| All science and engineering fields..... | 73,200 | 30,000 | 17,300 | 3,800 | 52,000 |
| Major type | | | | | |
| Total science..... | 50,200 | 21,600 | 12,900 | 2,600 | 34,700 |
| Total engineering..... | 23,000 | 8,500 | 4,400 | 1,300 | 17,300 |
| Major field | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 3,800 | 1,700 | S | 10,600 |
| Computer science and information sciences..... | 9,100 | 2,100 | S | S | 7,900 |
| Mathematics and related sciences..... | 3,700 | 1,700 | 900 | S | 2,700 |
| Life and related sciences, total..... | 7,600 | 4,200 | 2,600 | 400 | 4,600 |
| Agricultural and food sciences..... | 1,200 | 500 | 300 | S | 900 |
| Biological sciences..... | 5,500 | 3,400 | 2,300 | S | 3,000 |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | 700 |
| Physical and related sciences, total..... | 4,800 | 2,600 | 1,800 | 300 | 2,700 |
| Chemistry, except biochemistry..... | 1,700 | 800 | 600 | S | 1,000 |
| Earth sciences, geology, and oceanography..... | 1,300 | 600 | 300 | S | 900 |
| Physics and astronomy..... | 1,700 | 1,200 | 900 | S | 700 |
| Other physical sciences..... | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 11,000 | 6,800 | 1,300 | 16,900 |
| Economics..... | 1,900 | 900 | 700 | S | 1,200 |
| Political science and related sciences..... | 4,400 | 1,700 | 1,100 | S | 3,100 |
| Psychology..... | 12,600 | 5,600 | 3,400 | S | 8,500 |
| Sociology and anthropology..... | 2,200 | 1,300 | 700 | S | 1,300 |
| Other social sciences..... | 3,800 | 1,500 | 800 | S | 2,900 |
| Engineering, total..... | 23,000 | 8,500 | 4,400 | 1,300 | 17,300 |
| Aerospace and related engineering..... | 800 | 400 | 200 | S | 500 |
| Chemical engineering..... | 900 | 400 | 200 | S | 700 |
| Civil and architectural engineering..... | 2,900 | 800 | S | S | 2,400 |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 3,600 | 1,800 | S | 6,100 |
| Industrial engineering..... | 1,500 | 500 | S | S | 1,200 |
| Mechanical engineering..... | 3,900 | 1,200 | 800 | S | 2,900 |
| Other engineering..... | 4,700 | 1,600 | 800 | S | 3,500 |

1/ Excludes those receiving a degree between April 15, 1995 and date of interview (May 1995–March 1996).

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-64. Number of 1993 science and engineering master's degree recipients who have not taken courses since most recent degree, and likelihood they will take additional courses, by field of degree: April 1995

| Major field | Total number not taking courses since most recent degree 1/ | Likelihood will take classes | | |
|--|--|------------------------------|-----------------|---------------|
| | | Very likely | Somewhat likely | Very unlikely |
| All science and engineering fields..... | 41,400 | 21,800 | 13,200 | 6,300 |
| Major type | | | | |
| Total science..... | 27,400 | 14,800 | 8,400 | 4,300 |
| Total engineering..... | 14,000 | 7,100 | 4,900 | 2,000 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 8,900 | 4,400 | 2,500 | 2,000 |
| Computer science and information sciences..... | 6,900 | 3,300 | 1,900 | 1,700 |
| Mathematics and related sciences..... | 2,000 | 1,100 | 600 | S |
| Life and related sciences, total..... | 3,400 | 1,700 | 1,200 | 500 |
| Agricultural and food sciences..... | 700 | 300 | S | S |
| Biological sciences..... | 2,100 | 1,100 | 700 | S |
| Environmental life sciences including forestry sciences..... | 600 | 300 | S | S |
| Physical and related sciences, total..... | 2,100 | 900 | 800 | 400 |
| Chemistry, except biochemistry..... | 800 | 400 | 300 | S |
| Earth sciences, geology, and oceanography..... | 700 | 300 | 300 | S |
| Physics and astronomy..... | 500 | S | S | S |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 13,100 | 7,800 | 3,900 | 1,400 |
| Economics..... | 1,000 | S | S | S |
| Political science and related sciences..... | 2,600 | 1,600 | 800 | S |
| Psychology..... | 6,500 | 4,300 | 1,700 | S |
| Sociology and anthropology..... | 900 | 400 | 400 | S |
| Other social sciences..... | 2,100 | 1,200 | 600 | S |
| Engineering, total..... | 14,000 | 7,100 | 4,900 | 2,000 |
| Aerospace and related engineering..... | 400 | 200 | S | S |
| Chemical engineering..... | 500 | S | S | S |
| Civil and architectural engineering..... | 2,100 | 900 | 700 | S |
| Electrical, electronic, computer and communications engineering..... | 4,500 | 2,400 | 1,500 | S |
| Industrial engineering..... | 1,000 | 500 | 300 | S |
| Mechanical engineering..... | 2,400 | 1,400 | 900 | S |
| Other engineering..... | 3,100 | 1,500 | 1,100 | S |

1/ Excludes those receiving a degree between April 15, 1995 and date of interview (May 1995–March 1996).

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-65. Number of 1993 science and engineering master's degree recipients who took courses between completing most recent degree and April 15, 1995, and type of degree sought, and number who took courses since April 15, 1995, by field of degree: April 1995

| Major field | Total recipients | Took courses between completing most recent degree and week of April 15, 1995 1/ | | | | | | No courses between most recent degree & April 15, but took courses since April 15, 1995 1/ |
|--|------------------|--|------------------------|--------------|-------------|-----------|--------------------|--|
| | | Total number | Types of degree sought | | | | | |
| | | | No specific degree | Ph.D. degree | Prof degree | MA degree | Other or BA degree | |
| All science and engineering fields..... | 73,200 | 27,800 | 5,000 | 16,900 | 1,900 | 2,000 | 1,900 | 2,300 |
| Major type | | | | | | | | |
| Total science..... | 50,200 | 20,100 | 3,400 | 12,300 | 1,800 | 1,200 | 1,400 | 1,500 |
| Total engineering..... | 23,000 | 7,700 | 1,600 | 4,600 | S | 800 | S | 800 |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total.... | 12,800 | 3,500 | 1,100 | 1,800 | S | S | S | S |
| Computer science and information sciences..... | 9,100 | 2,000 | S | 1,000 | S | S | S | S |
| Mathematics and related sciences..... | 3,700 | 1,500 | S | 800 | S | S | S | S |
| Life and related sciences, total..... | 7,600 | 3,700 | 500 | 1,500 | 1,300 | S | S | S |
| Agricultural and food sciences..... | 1,200 | 500 | S | 400 | S | S | S | S |
| Biological sciences..... | 5,500 | 3,000 | S | 1,100 | 1,300 | S | S | S |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | S | S | S | S |
| Physical and related sciences, total..... | 4,800 | 2,400 | 300 | 1,800 | S | S | S | S |
| Chemistry, except biochemistry..... | 1,700 | 700 | S | 500 | S | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 500 | S | 400 | S | S | S | S |
| Physics and astronomy..... | 1,700 | 1,100 | S | 900 | S | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 10,500 | 1,600 | 7,200 | S | S | 900 | 500 |
| Economics..... | 1,900 | 800 | S | 600 | S | S | S | S |
| Political science and related sciences..... | 4,400 | 1,600 | S | 1,100 | S | S | S | S |
| Psychology..... | 12,600 | 5,400 | S | 4,000 | S | S | S | S |
| Sociology and anthropology..... | 2,200 | 1,300 | S | 1,000 | S | S | S | S |
| Other social sciences..... | 3,800 | 1,300 | S | 600 | S | S | S | S |
| Engineering, total..... | 23,000 | 7,700 | 1,600 | 4,600 | S | 800 | S | 800 |
| Aerospace and related engineering..... | 800 | 300 | S | 200 | S | S | S | S |
| Chemical engineering..... | 900 | 400 | S | 300 | S | S | S | S |
| Civil and architectural engineering..... | 2,900 | 700 | S | S | S | S | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 3,100 | S | 1,900 | S | S | S | S |
| Industrial engineering..... | 1,500 | 400 | S | S | S | S | S | S |
| Mechanical engineering..... | 3,900 | 1,200 | S | 800 | S | S | S | S |
| Other engineering..... | 4,700 | 1,500 | S | 800 | S | S | S | S |

1/ Excludes those receiving a degree between April 15, 1995 and date of interview (May 1995–March 1996).

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-66. Number of 1993 science and engineering master's degree recipients who are employed, employed full time and part time counting all jobs, employed full time and part time at principal job only, and number who have a second job, by field of degree: April 1995

| Major field | Total recipients | Employed | | | | | |
|--|------------------|----------------|-------------------|-----------|--------------------|-----------|-------------------|
| | | Total employed | Counting all jobs | | Principal job only | | Have a second job |
| | | | Full time | Part time | Full time | Part time | |
| All science and engineering fields..... | 73,200 | 64,700 | 55,200 | 9,500 | 50,700 | 14,000 | 8,900 |
| Major type | | | | | | | |
| Total science..... | 50,200 | 43,400 | 35,900 | 7,500 | 32,300 | 11,000 | 7,600 |
| Total engineering..... | 23,000 | 21,400 | 19,300 | 2,100 | 18,400 | 2,900 | 1,300 |
| Major field | | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 12,200 | 11,000 | 1,200 | 10,500 | 1,700 | 1,600 |
| Computer science and information sciences..... | 9,100 | 8,700 | 8,300 | S | 8,000 | S | 1,100 |
| Mathematics and related sciences..... | 3,700 | 3,500 | 2,700 | 900 | 2,500 | 1,100 | S |
| Life and related sciences, total..... | 7,600 | 5,600 | 4,600 | 1,000 | 4,200 | 1,300 | 700 |
| Agricultural and food sciences..... | 1,200 | 1,100 | 1,000 | S | 900 | S | S |
| Biological sciences..... | 5,500 | 3,700 | 2,900 | 800 | 2,600 | 1,100 | S |
| Environmental life sciences including forestry sciences..... | 800 | 800 | 700 | S | 700 | S | S |
| Physical and related sciences, total..... | 4,800 | 4,100 | 3,600 | 500 | 3,200 | 900 | 500 |
| Chemistry, except biochemistry..... | 1,700 | 1,400 | 1,300 | S | 1,200 | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 1,200 | 1,100 | S | 1,000 | S | S |
| Physics and astronomy..... | 1,700 | 1,500 | 1,200 | S | 1,000 | 500 | S |
| Other physical sciences..... | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 21,500 | 16,700 | 4,800 | 14,400 | 7,100 | 4,800 |
| Economics..... | 1,900 | 1,500 | 1,100 | 400 | 1,000 | 500 | S |
| Political science and related sciences..... | 4,400 | 3,900 | 3,100 | 800 | 3,000 | 1,000 | 600 |
| Psychology..... | 12,600 | 10,900 | 8,600 | 2,400 | 6,900 | 4,000 | 2,900 |
| Sociology and anthropology..... | 2,200 | 1,900 | 1,300 | 600 | 1,100 | 700 | 400 |
| Other social sciences..... | 3,800 | 3,300 | 2,600 | 700 | 2,400 | 900 | 700 |
| Engineering, total..... | 23,000 | 21,400 | 19,300 | 2,100 | 18,400 | 2,900 | 1,300 |
| Aerospace and related engineering..... | 800 | 700 | 700 | S | 600 | S | S |
| Chemical engineering..... | 900 | 900 | 800 | S | 800 | S | S |
| Civil and architectural engineering..... | 2,900 | 2,900 | 2,600 | S | 2,600 | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 7,500 | 6,700 | S | 6,300 | 1,300 | S |
| Industrial engineering..... | 1,500 | 1,400 | 1,400 | S | 1,300 | S | S |
| Mechanical engineering..... | 3,900 | 3,600 | 3,200 | S | 3,100 | S | S |
| Other engineering..... | 4,700 | 4,400 | 4,000 | S | 3,900 | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding. Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-67. Number of 1993 science and engineering master's degree recipients who are employed, unemployed, and not in the labor force, by field of degree: April 1995

| Major field | Total recipients | Employed | Unemployed 1/ | Not in labor force |
|--|------------------|----------|---------------|--------------------|
| All science and engineering fields..... | 73,200 | 64,700 | 2,000 | 6,400 |
| Major type | | | | |
| Total science..... | 50,200 | 43,400 | 1,300 | 5,500 |
| Total engineering..... | 23,000 | 21,400 | S | 900 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 12,200 | S | S |
| Computer science and information sciences..... | 9,100 | 8,700 | S | S |
| Mathematics and related sciences..... | 3,700 | 3,500 | S | S |
| Life and related sciences, total..... | 7,600 | 5,600 | S | 1,800 |
| Agricultural and food sciences..... | 1,200 | 1,100 | S | S |
| Biological sciences..... | 5,500 | 3,700 | S | 1,600 |
| Environmental life sciences including forestry sciences..... | 800 | 800 | S | S |
| Physical and related sciences, total..... | 4,800 | 4,100 | S | 500 |
| Chemistry, except biochemistry..... | 1,700 | 1,400 | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 1,200 | S | S |
| Physics and astronomy..... | 1,700 | 1,500 | S | S |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 21,500 | 800 | 2,600 |
| Economics..... | 1,900 | 1,500 | S | S |
| Political science and related sciences..... | 4,400 | 3,900 | S | S |
| Psychology..... | 12,600 | 10,900 | S | 1,300 |
| Sociology and anthropology..... | 2,200 | 1,900 | S | S |
| Other social sciences..... | 3,800 | 3,300 | S | S |
| Engineering, total..... | 23,000 | 21,400 | S | 900 |
| Aerospace and related engineering..... | 800 | 700 | S | S |
| Chemical engineering..... | 900 | 900 | S | S |
| Civil and architectural engineering..... | 2,900 | 2,900 | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 7,500 | S | S |
| Industrial engineering..... | 1,500 | 1,400 | S | S |
| Mechanical engineering..... | 3,900 | 3,600 | S | S |
| Other engineering..... | 4,700 | 4,400 | S | S |

1/ The unemployed are those who were not working on April 15 and who were seeking work or who were on layoff from a job.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-68. Number of 1993 science and engineering master's degree recipients who are not full-time students, and number of non-full-time students who are not in the labor force, in the labor force, employed, and unemployed, by field of degree: April 1995

| Major field | Not full-time students | | | | |
|--|------------------------|--------------------|----------------|----------------|---------------|
| | Total number | Not in labor force | In labor force | In labor force | |
| | | | | Employed | Unemployed 1/ |
| All science and engineering fields..... | 55,900 | 1,800 | 54,100 | 52,700 | 1,400 |
| Major type | | | | | |
| Total science..... | 37,300 | 1,500 | 35,800 | 34,900 | 900 |
| Total engineering..... | 18,600 | S | 18,400 | 17,900 | S |
| Major field | | | | | |
| Computer and mathematical sciences, total..... | 11,100 | S | 10,900 | 10,800 | S |
| Computer science and information sciences..... | 8,200 | S | 8,000 | 8,000 | S |
| Mathematics and related sciences..... | 2,900 | S | 2,900 | 2,800 | S |
| Life and related sciences, total..... | 4,900 | S | 4,700 | 4,500 | S |
| Agricultural and food sciences..... | 900 | S | 900 | 900 | S |
| Biological sciences..... | 3,200 | S | 3,000 | 2,900 | S |
| Environmental life sciences including forestry sciences..... | 800 | S | 700 | 700 | S |
| Physical and related sciences, total..... | 3,100 | S | 3,000 | 2,800 | S |
| Chemistry, except biochemistry..... | 1,100 | S | 1,100 | 1,000 | S |
| Earth sciences, geology, and oceanography..... | 1,000 | S | 1,000 | 1,000 | S |
| Physics and astronomy..... | 800 | S | 800 | 800 | S |
| Other physical sciences..... | S | S | S | S | S |
| Social and related sciences, total..... | 18,200 | 900 | 17,200 | 16,700 | S |
| Economics..... | 1,200 | S | 1,100 | 1,100 | S |
| Political science and related sciences..... | 3,300 | S | 3,200 | 3,100 | S |
| Psychology..... | 9,200 | S | 8,700 | 8,500 | S |
| Sociology and anthropology..... | 1,500 | S | 1,500 | 1,400 | S |
| Other social sciences..... | 3,000 | S | 2,700 | 2,600 | S |
| Engineering, total..... | 18,600 | S | 18,400 | 17,900 | S |
| Aerospace and related engineering..... | 600 | S | 600 | 600 | S |
| Chemical engineering..... | 700 | S | 700 | 700 | S |
| Civil and architectural engineering..... | 2,500 | S | 2,500 | 2,500 | S |
| Electrical, electronic, computer and communications engineering..... | 6,500 | S | 6,400 | 6,100 | S |
| Industrial engineering..... | 1,400 | S | 1,300 | 1,300 | S |
| Mechanical engineering..... | 3,100 | S | 3,000 | 3,000 | S |
| Other engineering..... | 3,900 | S | 3,800 | 3,700 | S |

1/ The unemployed are those who were not working on April 15 and who were seeking work or who were on layoff from a job.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-69. Number of 1993 science and engineering master's degree recipients who are not working, and reasons for not working, by field of degree: April 1995

| Major field | Total recipients | Total not working | Reasons for not working | | | | | |
|--|------------------|-------------------|-------------------------|----------------------------|-------------------------|-----------|-----------------------|-------|
| | | | Student | Suitable job not available | Family responsibilities | On layoff | Not need/want to work | Other |
| All science and engineering fields..... | 73,200 | 8,400 | 5,500 | 2,200 | 2,000 | S | 2,600 | 800 |
| Major type | | | | | | | | |
| Total science..... | 50,200 | 6,800 | 4,600 | 1,600 | 1,600 | S | 2,400 | S |
| Total engineering..... | 23,000 | 1,600 | 900 | S | S | S | S | S |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | S | S | S | S | S | S | S |
| Computer science and information sciences..... | 9,100 | S | S | S | S | S | S | S |
| Mathematics and related sciences..... | 3,700 | S | S | S | S | S | S | S |
| Life and related sciences, total..... | 7,600 | 2,000 | 1,600 | S | S | S | 700 | S |
| Agricultural and food sciences..... | 1,200 | S | S | S | S | S | S | S |
| Biological sciences..... | 5,500 | 1,800 | 1,500 | S | S | S | 600 | S |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | S | S | S | S |
| Physical and related sciences, total..... | 4,800 | 700 | 500 | S | S | S | S | S |
| Chemistry, except biochemistry..... | 1,700 | 300 | S | S | S | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | S | S | S | S | S | S | S |
| Physics and astronomy..... | 1,700 | 300 | S | S | S | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 3,400 | 2,200 | 1,000 | 1,000 | S | 1,100 | S |
| Economics..... | 1,900 | S | S | S | S | S | S | S |
| Political science and related sciences..... | 4,400 | 500 | S | S | S | S | S | S |
| Psychology..... | 12,600 | 1,700 | S | S | S | S | S | S |
| Sociology and anthropology..... | 2,200 | 400 | S | S | S | S | S | S |
| Other social sciences..... | 3,800 | 500 | S | S | S | S | S | S |
| Engineering, total..... | 23,000 | 1,600 | 900 | S | S | S | S | S |
| Aerospace and related engineering..... | 800 | S | S | S | S | S | S | S |
| Chemical engineering..... | 900 | S | S | S | S | S | S | S |
| Civil and architectural engineering..... | 2,900 | S | S | S | S | S | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | S | S | S | S | S | S | S |
| Industrial engineering..... | 1,500 | S | S | S | S | S | S | S |
| Mechanical engineering..... | 3,900 | S | S | S | S | S | S | S |
| Other engineering..... | 4,700 | S | S | S | S | S | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Respondents may indicate more than one reason for not working. Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-70. Number of employed 1993 science and engineering master's degree recipients, by occupation and field of degree: April 1995

| Major field | Total employed | Occupation | | | | | |
|--|----------------|--------------------------------------|-----------------------------|---------------------|-------------------------------|-----------|-----------------|
| | | Computer and mathematical scientists | Life and related scientists | Physical scientists | Social and related scientists | Engineers | Other fields 1/ |
| All science and engineering fields..... | 64,700 | 11,500 | 3,100 | 4,000 | 7,800 | 15,900 | 22,300 |
| Major type | | | | | | | |
| Total science..... | 43,400 | 8,400 | 3,000 | 3,400 | 7,800 | 1,100 | 19,600 |
| Total engineering..... | 21,400 | 3,100 | S | 600 | S | 14,900 | 2,700 |
| Major field | | | | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 7,600 | S | S | S | S | 3,800 |
| Computer science and information sciences..... | 8,700 | 5,700 | S | S | S | S | 2,400 |
| Mathematics and related sciences..... | 3,500 | 1,900 | S | S | S | S | 1,300 |
| Life and related sciences, total..... | 5,600 | S | 2,500 | 500 | S | S | 2,300 |
| Agricultural and food sciences..... | 1,100 | S | 500 | S | S | S | 500 |
| Biological sciences..... | 3,700 | S | 1,900 | S | S | S | 1,600 |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | S | S | S |
| Physical and related sciences, total..... | 4,100 | S | S | 2,700 | S | 300 | 800 |
| Chemistry, except biochemistry..... | 1,400 | S | S | 1,000 | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,200 | S | S | 900 | S | S | S |
| Physics and astronomy..... | 1,500 | S | S | 800 | S | S | 300 |
| Other physical sciences..... | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 21,500 | S | S | S | 7,700 | S | 12,800 |
| Economics..... | 1,500 | S | S | S | 500 | S | 800 |
| Political science and related sciences..... | 3,900 | S | S | S | 1,300 | S | 2,400 |
| Psychology..... | 10,900 | S | S | S | 4,600 | S | 6,100 |
| Sociology and anthropology..... | 1,900 | S | S | S | 700 | S | 1,100 |
| Other social sciences..... | 3,300 | S | S | S | 600 | S | 2,300 |
| Engineering, total..... | 21,400 | 3,100 | S | 600 | S | 14,900 | 2,700 |
| Aerospace and related engineering..... | 700 | S | S | S | S | 500 | S |
| Chemical engineering..... | 900 | S | S | S | S | 700 | S |
| Civil and architectural engineering..... | 2,900 | S | S | S | S | 2,600 | S |
| Electrical, electronic, computer and communications engineering..... | 7,500 | 2,200 | S | S | S | 4,400 | 800 |
| Industrial engineering..... | 1,400 | S | S | S | S | 900 | 300 |
| Mechanical engineering..... | 3,600 | S | S | S | S | 2,900 | 500 |
| Other engineering..... | 4,400 | S | S | S | S | 2,900 | 800 |

1/ This broad category includes the following occupations: managers and related occupations; health and related occupations; educators other than S&E postsecondary; social services and related occupations; technicians, including computer programmers; sales and marketing occupations; and all other occupations.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-71. Number of employed 1993 science and engineering master's degree recipients who are licensed or certified in their occupation, by sex and field of degree: April 1995

| Major field | Total employed | Number who are licensed or certified in their occupation | | |
|--|----------------|--|-------|--------|
| | | Total | Male | Female |
| All science and engineering fields..... | 64,700 | 14,100 | 7,800 | 6,400 |
| Major type | | | | |
| Total science..... | 43,400 | 10,100 | 4,400 | 5,700 |
| Total engineering..... | 21,400 | 4,000 | 3,400 | 600 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 1,600 | 800 | 700 |
| Computer science and information sciences..... | 8,700 | S | S | S |
| Mathematics and related sciences..... | 3,500 | 800 | S | 500 |
| Life and related sciences, total..... | 5,600 | 1,300 | 600 | 700 |
| Agricultural and food sciences..... | 1,100 | S | S | S |
| Biological sciences..... | 3,700 | 900 | S | S |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S |
| Physical and related sciences, total..... | 4,100 | 600 | 400 | S |
| Chemistry, except biochemistry..... | 1,400 | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,200 | 200 | S | S |
| Physics and astronomy..... | 1,500 | S | S | S |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 21,500 | 6,600 | 2,600 | 4,000 |
| Economics..... | 1,500 | S | S | S |
| Political science and related sciences..... | 3,900 | 700 | S | S |
| Psychology..... | 10,900 | 4,300 | 1,300 | 3,000 |
| Sociology and anthropology..... | 1,900 | 400 | S | S |
| Other social sciences..... | 3,300 | 1,000 | S | 600 |
| Engineering, total..... | 21,400 | 4,000 | 3,400 | 600 |
| Aerospace and related engineering..... | 700 | S | S | S |
| Chemical engineering..... | 900 | S | S | S |
| Civil and architectural engineering..... | 2,900 | 1,300 | 1,200 | S |
| Electrical, electronic, computer and communications engineering..... | 7,500 | S | S | S |
| Industrial engineering..... | 1,400 | S | S | S |
| Mechanical engineering..... | 3,600 | 600 | 600 | S |
| Other engineering..... | 4,400 | 1,000 | 700 | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-72. Number of 1993 science and engineering master's degree recipients who have had a career path job since being awarded most recent degree, and number not having career path job who are seeking one, by sex and field of degree: April 1995

| Major field | Total recipients | Number having a career path job | | | Number not having career path job | Number of those not having a career path job who are seeking a career path job | | |
|--|------------------|---------------------------------|--------|--------|-----------------------------------|--|-------|--------|
| | | Total | Male | Female | | Total | Male | Female |
| All science and engineering fields..... | 73,200 | 47,100 | 29,400 | 17,700 | 26,000 | 9,800 | 6,400 | 3,500 |
| Major type | | | | | | | | |
| Total science..... | 50,200 | 31,600 | 16,200 | 15,400 | 18,600 | 6,200 | 3,400 | 2,800 |
| Total engineering..... | 23,000 | 15,600 | 13,200 | 2,400 | 7,400 | 3,600 | 3,000 | 700 |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,800 | 9,700 | 6,800 | 2,900 | 3,100 | 1,100 | S | S |
| Computer science and information sciences..... | 9,100 | 7,300 | 5,500 | 1,800 | 1,800 | S | S | S |
| Mathematics and related sciences..... | 3,700 | 2,400 | 1,300 | 1,200 | 1,300 | 600 | S | S |
| Life and related sciences, total..... | 7,600 | 4,000 | 1,900 | 2,100 | 3,600 | 900 | 600 | S |
| Agricultural and food sciences..... | 1,200 | 900 | 600 | 300 | 400 | S | S | S |
| Biological sciences..... | 5,500 | 2,500 | 1,000 | 1,500 | 3,000 | 700 | S | S |
| Environmental life sciences including forestry sciences..... | 800 | 600 | 300 | S | S | S | S | S |
| Physical and related sciences, total..... | 4,800 | 2,700 | 1,800 | 900 | 2,100 | 500 | 400 | S |
| Chemistry, except biochemistry..... | 1,700 | 1,000 | 500 | 500 | 700 | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,300 | 900 | 700 | S | 400 | S | S | S |
| Physics and astronomy..... | 1,700 | 800 | 600 | S | 1,000 | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 25,000 | 15,100 | 5,700 | 9,400 | 9,800 | 3,700 | 1,700 | 2,000 |
| Economics..... | 1,900 | 800 | 600 | S | 1,100 | 400 | S | S |
| Political science and related sciences..... | 4,400 | 2,600 | 1,400 | 1,200 | 1,900 | 1,000 | 700 | S |
| Psychology..... | 12,600 | 8,600 | 2,400 | 6,200 | 4,000 | 1,400 | S | S |
| Sociology and anthropology..... | 2,200 | 1,100 | 400 | 700 | 1,200 | 400 | S | S |
| Other social sciences..... | 3,800 | 2,100 | 900 | 1,200 | 1,700 | 500 | S | S |
| Engineering, total..... | 23,000 | 15,600 | 13,200 | 2,400 | 7,400 | 3,600 | 3,000 | 700 |
| Aerospace and related engineering..... | 800 | 600 | 500 | S | 300 | S | S | S |
| Chemical engineering..... | 900 | 700 | 500 | S | 300 | S | S | S |
| Civil and architectural engineering..... | 2,900 | 2,100 | 1,800 | S | 800 | 600 | S | S |
| Electrical, electronic, computer and communications engineering..... | 8,300 | 5,600 | 4,800 | 800 | 2,700 | 1,200 | 900 | S |
| Industrial engineering..... | 1,500 | 1,100 | 900 | S | 300 | S | S | S |
| Mechanical engineering..... | 3,900 | 2,400 | 2,100 | S | 1,500 | 800 | 800 | S |
| Other engineering..... | 4,700 | 3,100 | 2,500 | 700 | 1,600 | 700 | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-73. Number of employed 1993 science and engineering master's degree recipients having job closely, somewhat, and not related to degree, by field of degree: April 1995

| Major field | Total employed | Relationship of degree to job | | |
|--|----------------|-------------------------------|------------------|-------------|
| | | Closely related | Somewhat related | Not related |
| All science and engineering fields..... | 64,700 | 43,900 | 15,300 | 5,600 |
| Major type | | | | |
| Total science..... | 43,400 | 29,500 | 9,700 | 4,100 |
| Total engineering..... | 21,400 | 14,400 | 5,500 | 1,500 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 9,300 | 2,300 | S |
| Computer science and information sciences..... | 8,700 | 6,900 | 1,500 | S |
| Mathematics and related sciences..... | 3,500 | 2,400 | 800 | S |
| Life and related sciences, total..... | 5,600 | 3,700 | 1,300 | 500 |
| Agricultural and food sciences..... | 1,100 | 800 | S | S |
| Biological sciences..... | 3,700 | 2,400 | 900 | S |
| Environmental life sciences including forestry sciences..... | 800 | 500 | S | S |
| Physical and related sciences, total..... | 4,100 | 3,000 | 900 | S |
| Chemistry, except biochemistry..... | 1,400 | 1,000 | 300 | S |
| Earth sciences, geology, and oceanography..... | 1,200 | 900 | 200 | S |
| Physics and astronomy..... | 1,500 | 1,100 | 300 | S |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 21,500 | 13,400 | 5,200 | 2,800 |
| Economics..... | 1,500 | 800 | 500 | S |
| Political science and related sciences..... | 3,900 | 1,900 | 1,400 | 600 |
| Psychology..... | 10,900 | 7,800 | 1,800 | 1,300 |
| Sociology and anthropology..... | 1,900 | 1,100 | 500 | S |
| Other social sciences..... | 3,300 | 1,900 | 900 | S |
| Engineering, total..... | 21,400 | 14,400 | 5,500 | 1,500 |
| Aerospace and related engineering..... | 700 | 500 | S | S |
| Chemical engineering..... | 900 | 600 | S | S |
| Civil and architectural engineering..... | 2,900 | 2,300 | 500 | S |
| Electrical, electronic, computer and communications engineering..... | 7,500 | 5,500 | 1,500 | S |
| Industrial engineering..... | 1,400 | 700 | 700 | S |
| Mechanical engineering..... | 3,600 | 1,900 | 1,300 | S |
| Other engineering..... | 4,400 | 2,900 | 1,200 | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-74. Number of employed 1993 science and engineering master's degree recipients, by sex, race/ethnicity, and occupation: April 1995

| Occupation | Total employed | Sex | | Race/ethnicity | | | | |
|---|----------------|--------|--------|---------------------|---------------------|----------|---------------------------|--------------------------------|
| | | Male | Female | White, non-Hispanic | Black, non-Hispanic | Hispanic | Asian or Pacific Islander | American Indian/Alaskan Native |
| All employed science and engineering graduates..... | 64,700 | 41,200 | 23,600 | 46,100 | 2,800 | 2,800 | 12,700 | 400 |
| Occupation type | | | | | | | | |
| Total scientists..... | 26,500 | 16,500 | 10,000 | 18,800 | 1,000 | 1,000 | 5,600 | 100 |
| Total engineers..... | 15,900 | 13,800 | 2,200 | 10,200 | 500 | 700 | 4,500 | S |
| Total other occupations..... | 22,300 | 10,900 | 11,400 | 17,100 | 1,400 | 1,100 | 2,600 | S |
| Occupation 1/ | | | | | | | | |
| Computer and mathematical scientists..... | 11,500 | 8,600 | 3,000 | 6,700 | 500 | S | 4,100 | S |
| Life and related scientists..... | 3,100 | 2,000 | 1,100 | 2,400 | S | S | S | S |
| Physical scientists..... | 4,000 | 2,900 | 1,100 | 3,100 | S | S | 700 | S |
| Social and related scientists..... | 7,800 | 3,000 | 4,800 | 6,600 | 400 | 500 | S | S |
| Engineers..... | 15,900 | 13,800 | 2,200 | 10,200 | 500 | 700 | 4,500 | S |
| Managers and related occupations..... | 5,100 | 2,600 | 2,500 | 4,200 | S | S | S | S |
| Health and related occupations..... | 1,800 | 800 | 1,000 | 1,500 | S | S | S | S |
| Educators other than S&E postsecondary..... | 3,000 | 1,200 | 1,800 | 2,500 | S | S | S | S |
| Social services and related occupations..... | 2,300 | S | 1,800 | 1,700 | S | S | S | S |
| Technicians including computer programmers..... | 3,500 | 2,300 | 1,200 | 2,300 | S | S | 1,100 | S |
| Sales and marketing occupations..... | 2,200 | 1,300 | 900 | 1,500 | S | S | S | S |
| Other occupations..... | 4,400 | 2,200 | 2,300 | 3,500 | S | S | S | S |

1/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

**Table B-75. Number of employed 1993 science and engineering
master's degree recipients, by age and occupation: April 1995**

| Occupation | Total employed | Age | | | | |
|---|-------------------|--------------|--------|--------|-------|------------|
| | | Less than 25 | 25-29 | 30-34 | 35-39 | 40 or more |
| All employed science and engineering graduates..... | 64,700 | 1,300 | 28,200 | 17,400 | 8,200 | 9,700 |
| Occupation type | | | | | | |
| Total scientists..... | 26,500 | S | 12,700 | 6,500 | 3,100 | 3,600 |
| Total engineers..... | 15,900 | 500 | 7,600 | 5,400 | 1,800 | 700 |
| Total other occupations..... | 22,300 | S | 7,900 | 5,500 | 3,300 | 5,500 |
| Occupation 1/ | | | | | | |
| Computer and mathematical scientists..... | 11,500 | S | 5,500 | 3,200 | 1,500 | 1,200 |
| Life and related scientists..... | 3,100 | S | 1,500 | 800 | S | S |
| Physical scientists..... | 4,000 | S | 2,000 | 900 | 500 | 400 |
| Social and related scientists..... | 7,800 | S | 3,800 | 1,600 | 700 | 1,700 |
| Engineers..... | 15,900 | 500 | 7,600 | 5,400 | 1,800 | 700 |
| Managers and related occupations..... | 5,100 | S | 1,600 | 1,300 | 1,100 | 1,100 |
| Health and related occupations..... | 1,800 | S | S | S | S | S |
| Educators other than S&E postsecondary..... | 3,000 | S | 700 | 700 | S | 1,200 |
| Social services and related occupations..... | 2,300 | S | 800 | S | S | 1,000 |
| Technicians including computer programmers..... | 3,500 | S | 1,600 | 1,100 | S | S |
| Sales and marketing occupations..... | 2,200 | S | 800 | 700 | S | S |
| Other occupations..... | 4,400 | S | 1,900 | 1,000 | 600 | 800 |

1/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-76. Number of employed 1993 science and engineering master's degree recipients, by sector of employment and occupation: April 1995

| Occupation | Total employed | Sector of employment | | | | | | |
|---|----------------|---|-------------------------|---------------|----------------------------------|----------------------|--------------------|---------------------------|
| | | Private industry and business (non-educational) | | | Educational institution | | Government | |
| | | Private, for profit company 1/ | Nonprofit organizations | Self-employed | 4-year college and university 2/ | Other educational 3/ | Federal government | State or local government |
| All employed science and engineering graduates..... | 64,700 | 30,700 | 3,600 | 1,400 | 14,400 | 5,900 | 4,400 | 4,300 |
| Occupation type | | | | | | | | |
| Total scientists..... | 26,500 | 10,700 | 1,400 | 600 | 8,700 | 2,200 | 1,400 | 1,500 |
| Total engineers..... | 15,900 | 10,100 | S | S | 3,100 | S | 1,500 | 800 |
| Total other occupations..... | 22,300 | 9,800 | 1,900 | 800 | 2,700 | 3,600 | 1,600 | 2,000 |
| Occupation 4/ | | | | | | | | |
| Computer and mathematical scientists..... | 11,500 | 7,300 | S | S | 2,500 | S | S | S |
| Life and related scientists..... | 3,100 | 700 | S | S | 1,600 | S | S | S |
| Physical scientists..... | 4,000 | 1,500 | S | S | 1,600 | S | 400 | S |
| Social and related scientists..... | 7,800 | 1,300 | 900 | S | 3,000 | 1,300 | S | 800 |
| Engineers..... | 15,900 | 10,100 | S | S | 3,100 | S | 1,500 | 800 |
| Managers and related occupations..... | 5,100 | 2,600 | S | S | S | S | 700 | S |
| Health and related occupations..... | 1,800 | 700 | S | S | S | S | S | S |
| Educators other than S&E postsecondary..... | 3,000 | S | S | S | 700 | 2,300 | S | S |
| Social services and related occupations..... | 2,300 | S | 700 | S | S | S | S | S |
| Technicians including computer programmers..... | 3,500 | 2,300 | S | S | 600 | S | S | S |
| Sales and marketing occupations..... | 2,200 | 1,800 | S | S | S | S | S | S |
| Other occupations..... | 4,400 | 2,200 | S | S | S | S | 500 | S |

1/ Persons reporting they were self-employed, but in an incorporated business are classified as "private, for-profit."

2/ Includes 4-year colleges and universities, and university-affiliated medical schools or research organizations.

3/ Includes elementary, middle, secondary, or 2-year colleges or other educational institutions.

4/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-77. Number of employed 1993 science and engineering master's degree recipients, by sector of employment and field of degree: April 1995

| Major field | Total employed | Sector of employment | | | | | | |
|--|----------------|---|-------------------------|---------------|----------------------------------|----------------------|--------------------|---------------------------|
| | | Private industry and business (non-educational) | | | Educational institution | | Government | |
| | | Private, for profit company 1/ | Nonprofit organizations | Self-employed | 4-year college and university 2/ | Other educational 3/ | Federal government | State or local government |
| All science and engineering fields..... | 64,700 | 30,700 | 3,600 | 1,400 | 14,400 | 5,900 | 4,400 | 4,300 |
| Major type | | | | | | | | |
| Total science..... | 43,400 | 16,900 | 3,200 | 1,200 | 10,700 | 5,600 | 2,200 | 3,500 |
| Total engineering..... | 21,400 | 13,700 | S | S | 3,700 | S | 2,200 | 800 |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 7,800 | S | S | 2,100 | 1,000 | S | S |
| Computer science and information sciences..... | 8,700 | 6,400 | S | S | S | S | S | S |
| Mathematics and related sciences..... | 3,500 | 1,300 | S | S | 1,100 | 800 | S | S |
| Life and related sciences, total..... | 5,600 | 1,800 | S | S | 2,000 | 600 | S | S |
| Agricultural and food sciences..... | 1,100 | 500 | S | S | 400 | S | S | S |
| Biological sciences..... | 3,700 | 1,000 | S | S | 1,500 | 600 | S | S |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | S | S | S | S |
| Physical and related sciences, total..... | 4,100 | 1,500 | S | S | 1,600 | 300 | 300 | S |
| Chemistry, except biochemistry..... | 1,400 | 700 | S | S | 500 | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,200 | 500 | S | S | 300 | S | S | S |
| Physics and astronomy..... | 1,500 | 300 | S | S | 800 | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 21,500 | 5,900 | 2,400 | 1,000 | 5,000 | 3,600 | 800 | 2,800 |
| Economics..... | 1,500 | 700 | S | S | 600 | S | S | S |
| Political science and related sciences..... | 3,900 | 1,300 | S | S | 1,000 | S | S | S |
| Psychology..... | 10,900 | 2,800 | 1,600 | S | 2,000 | 2,300 | S | 1,500 |
| Sociology and anthropology..... | 1,900 | 300 | S | S | 600 | S | S | S |
| Other social sciences..... | 3,300 | 700 | S | S | 700 | 600 | S | S |
| Engineering, total..... | 21,400 | 13,700 | S | S | 3,700 | S | 2,200 | 800 |
| Aerospace and related engineering..... | 700 | 300 | S | S | 200 | S | 200 | S |
| Chemical engineering..... | 900 | 600 | S | S | S | S | S | S |
| Civil and architectural engineering..... | 2,900 | 1,800 | S | S | S | S | S | 500 |
| Electrical, electronic, computer and communications engineering..... | 7,500 | 5,100 | S | S | 1,400 | S | S | S |
| Industrial engineering..... | 1,400 | 1,100 | S | S | S | S | S | S |
| Mechanical engineering..... | 3,600 | 2,500 | S | S | 700 | S | S | S |
| Other engineering..... | 4,400 | 2,400 | S | S | 700 | S | 600 | S |

1/ Persons reporting they were self-employed, but in an incorporated business are classified as "private, for-profit."

2/ Includes 4-year colleges and universities, and university-affiliated medical schools or research organizations.

3/ Includes elementary, middle, secondary, or 2-year colleges or other educational institutions.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-78. Number of employed 1993 science and engineering master's degree recipients, by primary work activity and field of degree: April 1995

| Major field | Total employed | Primary work activity | | | | |
|--|----------------|--------------------------------|-----------------------|-----------------------------------|----------|--------|
| | | Research and development (R&D) | Computer applications | Management, sales, administration | Teaching | Other |
| All science and engineering fields..... | 64,700 | 21,400 | 12,400 | 12,100 | 8,200 | 10,600 |
| Major type | | | | | | |
| Total science..... | 43,400 | 10,800 | 7,900 | 8,100 | 7,300 | 9,300 |
| Total engineering..... | 21,400 | 10,600 | 4,500 | 4,100 | 900 | 1,300 |
| Major field | | | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 2,800 | 6,100 | 900 | 2,000 | S |
| Computer science and information sciences.... | 8,700 | 2,100 | 5,200 | S | S | S |
| Mathematics and related sciences..... | 3,500 | 700 | 900 | S | 1,500 | S |
| Life and related sciences, total..... | 5,600 | 2,500 | S | 1,300 | 900 | 700 |
| Agricultural and food sciences..... | 1,100 | 500 | S | S | S | S |
| Biological sciences..... | 3,700 | 1,700 | S | 700 | 800 | S |
| Environmental life sciences including forestry sciences..... | 800 | S | S | S | S | S |
| Physical and related sciences, total..... | 4,100 | 2,400 | 400 | 500 | 500 | 300 |
| Chemistry, except biochemistry..... | 1,400 | 1,000 | S | S | S | S |
| Earth sciences, geology, and oceanography.... | 1,200 | 600 | S | S | S | S |
| Physics and astronomy..... | 1,500 | 800 | S | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S |
| Social and related sciences, total..... | 21,500 | 3,200 | 1,200 | 5,400 | 3,900 | 7,800 |
| Economics..... | 1,500 | 400 | S | 500 | S | S |
| Political science and related sciences..... | 3,900 | 700 | S | 1,200 | 800 | 900 |
| Psychology..... | 10,900 | 900 | S | 2,300 | 1,600 | 5,800 |
| Sociology and anthropology..... | 1,900 | 400 | S | 400 | 500 | 400 |
| Other social sciences..... | 3,300 | 700 | S | 1,000 | 700 | 700 |
| Engineering, total..... | 21,400 | 10,600 | 4,500 | 4,100 | 900 | 1,300 |
| Aerospace and related engineering..... | 700 | 400 | S | S | S | S |
| Chemical engineering..... | 900 | 600 | S | S | S | S |
| Civil and architectural engineering..... | 2,900 | 1,100 | 600 | 700 | S | S |
| Electrical, electronic, computer and communications engineering..... | 7,500 | 3,700 | 2,300 | 900 | S | S |
| Industrial engineering..... | 1,400 | 400 | 400 | 500 | S | S |
| Mechanical engineering..... | 3,600 | 2,200 | S | 700 | S | S |
| Other engineering..... | 4,400 | 2,000 | 600 | 1,100 | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Primary work activity is defined as activity in which respondent worked most hours on job in typical work week. Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-79. Number of employed 1993 science and engineering master's degree recipients, by primary work activity and occupation: April 1995

| Occupation | Total employed | Primary work activity | | | | |
|---|----------------|--------------------------------|-----------------------|-----------------------------------|----------|--------|
| | | Research and development (R&D) | Computer applications | Management, sales, administration | Teaching | Other |
| All employed science and engineering graduates..... | 64,700 | 21,400 | 12,400 | 12,100 | 8,200 | 10,600 |
| Occupation type | | | | | | |
| Total scientists..... | 26,500 | 8,900 | 7,000 | 1,900 | 4,100 | 4,500 |
| Total engineers..... | 15,900 | 9,300 | 2,200 | 2,800 | 800 | 900 |
| Total other occupations..... | 22,300 | 3,100 | 3,200 | 7,400 | 3,400 | 5,200 |
| Occupation 1/ | | | | | | |
| Computer and mathematical scientists..... | 11,500 | 2,800 | 6,300 | 600 | 1,500 | S |
| Life and related scientists..... | 3,100 | 2,000 | S | S | 600 | S |
| Physical scientists..... | 4,000 | 2,500 | S | 500 | 300 | 400 |
| Social and related scientists..... | 7,800 | 1,600 | S | S | 1,700 | 3,700 |
| Engineers..... | 15,900 | 9,300 | 2,200 | 2,800 | 800 | 900 |
| Managers and related occupations..... | 5,100 | 700 | S | 3,200 | S | S |
| Health and related occupations..... | 1,800 | S | S | S | S | 1,000 |
| Educators other than S&E postsecondary..... | 3,000 | S | S | S | 2,800 | S |
| Social services and related occupations..... | 2,300 | S | S | S | S | 1,700 |
| Technicians including computer programmers..... | 3,500 | 1,200 | 2,000 | S | S | S |
| Sales and marketing occupations..... | 2,200 | S | S | 1,400 | S | S |
| Other occupations..... | 4,400 | S | S | 1,900 | S | 1,700 |

1/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Primary work activity is defined as activity in which respondent worked most hours on job in typical work week. Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-80. Number of employed 1993 science and engineering master's degree recipients whose work is supported by federal government, and agency giving support, by field of degree: April 1995

| Major field | Total employed | Number whose work is supported by federal government | Agency supporting work | | | | | | | |
|--|----------------|--|------------------------|-------------------------|----------------------|-----|------|-------|-------|-------|
| | | | Department of Defense | Department of Education | Department of Energy | EPA | NASA | NIH | NSF | Other |
| All science and engineering fields..... | 64,700 | 13,800 | 4,000 | 1,200 | 1,000 | 700 | 800 | 1,200 | 1,900 | 4,900 |
| Major type | | | | | | | | | | |
| Total science..... | 43,400 | 8,900 | 1,700 | 1,100 | 300 | 400 | S | 1,200 | 1,400 | 3,900 |
| Total engineering..... | 21,400 | 4,900 | 2,300 | S | 700 | S | 600 | S | S | 1,000 |
| Major field | | | | | | | | | | |
| Computer and mathematical sciences, total..... | 12,200 | 1,500 | 900 | S | S | S | S | S | S | S |
| Computer science and information sciences..... | 8,700 | 1,100 | S | S | S | S | S | S | S | S |
| Mathematics and related sciences..... | 3,500 | S | S | S | S | S | S | S | S | S |
| Life and related sciences, total..... | 5,600 | 1,500 | S | S | S | S | S | S | S | 700 |
| Agricultural and food sciences..... | 1,100 | S | S | S | S | S | S | S | S | S |
| Biological sciences..... | 3,700 | 1,100 | S | S | S | S | S | S | S | S |
| Environmental life sciences including forestry sciences..... | 800 | 300 | S | S | S | S | S | S | S | S |
| Physical and related sciences, total..... | 4,100 | 1,400 | 300 | S | S | S | S | S | 600 | S |
| Chemistry, except biochemistry..... | 1,400 | 400 | S | S | S | S | S | S | S | S |
| Earth sciences, geology, and oceanography..... | 1,200 | 300 | S | S | S | S | S | S | S | S |
| Physics and astronomy..... | 1,500 | 700 | S | S | S | S | S | S | 300 | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 21,500 | 4,400 | S | 900 | S | S | S | S | S | 2,700 |
| Economics..... | 1,500 | S | S | S | S | S | S | S | S | S |
| Political science and related sciences..... | 3,900 | 700 | S | S | S | S | S | S | S | S |
| Psychology..... | 10,900 | 2,600 | S | S | S | S | S | S | S | 1,300 |
| Sociology and anthropology..... | 1,900 | 400 | S | S | S | S | S | S | S | S |
| Other social sciences..... | 3,300 | 500 | S | S | S | S | S | S | S | S |
| Engineering, total..... | 21,400 | 4,900 | 2,300 | S | 700 | S | 600 | S | S | 1,000 |
| Aerospace and related engineering..... | 700 | 300 | S | S | S | S | S | S | S | S |
| Chemical engineering..... | 900 | S | S | S | S | S | S | S | S | S |
| Civil and architectural engineering..... | 2,900 | 800 | S | S | S | S | S | S | S | S |
| Electrical, electronic, computer and communications engineering..... | 7,500 | 1,600 | 1,000 | S | S | S | S | S | S | S |
| Industrial engineering..... | 1,400 | S | S | S | S | S | S | S | S | S |
| Mechanical engineering..... | 3,600 | 800 | S | S | S | S | S | S | S | S |
| Other engineering..... | 4,400 | 1,100 | 600 | S | S | S | S | S | S | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Respondent's work may be supported by more than one federal agency. Details may not add to totals because of rounding.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-81. Median salary of full-time employed 1993 master's degree recipients, by sex, race/ethnicity, and field of degree: April 1995

| Major field | Total | Sex | | Race/ethnicity | | | | |
|--|----------|----------|----------|---------------------|---------------------|----------|---------------------------|--------------------------------|
| | | Male | Female | White, non-Hispanic | Black, non-Hispanic | Hispanic | Asian or Pacific Islander | American Indian/Alaskan Native |
| All science and engineering fields..... | \$40,000 | \$42,000 | \$35,000 | \$40,000 | \$39,500 | \$36,000 | \$42,000 | \$30,000 |
| Major type | | | | | | | | |
| Total science..... | 35,500 | 40,000 | 33,000 | 35,000 | 36,000 | 33,000 | 41,000 | 30,000 |
| Total engineering..... | 44,500 | 45,000 | 44,000 | 45,000 | 45,000 | 46,200 | 42,000 | S |
| Major field | | | | | | | | |
| Computer and mathematical sciences, total..... | 45,000 | 46,000 | 40,000 | 45,000 | S | S | 43,000 | S |
| Computer science and information sciences..... | 47,000 | 48,000 | 41,000 | 50,000 | S | S | 43,200 | S |
| Mathematics and related sciences..... | 36,000 | 37,500 | 33,000 | 34,100 | S | S | S | S |
| Life and related sciences, total..... | 33,000 | 32,000 | 34,000 | 34,000 | S | S | S | S |
| Agricultural and food sciences..... | 29,400 | 30,000 | 27,000 | 29,900 | S | S | S | S |
| Biological sciences..... | 33,000 | 30,000 | 34,000 | 34,500 | S | S | S | S |
| Environmental life sciences including forestry sciences..... | 35,000 | 39,000 | S | 35,300 | S | S | S | S |
| Physical and related sciences, total..... | 38,000 | 38,800 | 36,200 | 38,000 | S | S | 35,000 | S |
| Chemistry, except biochemistry..... | 38,500 | 40,000 | 36,500 | 40,000 | S | S | S | S |
| Earth sciences, geology, and oceanography..... | 36,600 | 36,600 | S | 36,600 | S | S | S | S |
| Physics and astronomy..... | 39,700 | 40,000 | S | 39,700 | S | S | S | S |
| Other physical sciences..... | S | S | S | S | S | S | S | S |
| Social and related sciences, total..... | 31,000 | 31,000 | 31,000 | 30,000 | 35,000 | 33,000 | 35,000 | S |
| Economics..... | 30,000 | 35,000 | S | 35,000 | S | S | S | S |
| Political science and related sciences..... | 35,000 | 35,000 | 33,500 | 33,500 | S | S | S | S |
| Psychology..... | 30,000 | 30,000 | 30,000 | 30,000 | 35,000 | S | S | S |
| Sociology and anthropology..... | 29,000 | 29,000 | 29,400 | 29,000 | S | S | S | S |
| Other social sciences..... | 32,000 | 33,000 | 32,000 | 31,000 | S | S | S | S |
| Engineering, total..... | 44,500 | 45,000 | 44,000 | 45,000 | 45,000 | 46,200 | 42,000 | S |
| Aerospace and related engineering..... | 44,500 | 44,500 | S | 44,500 | S | S | S | S |
| Chemical engineering..... | 47,000 | 50,000 | S | 50,000 | S | S | S | S |
| Civil and architectural engineering..... | 40,000 | 40,000 | 39,500 | 40,000 | S | S | 36,500 | S |
| Electrical, electronic, computer and communications engineering..... | 46,000 | 47,000 | 42,000 | 47,000 | S | S | 45,000 | S |
| Industrial engineering..... | 43,500 | 44,000 | S | 43,000 | S | S | S | S |
| Mechanical engineering..... | 43,700 | 43,500 | S | 45,000 | S | S | 38,000 | S |
| Other engineering..... | 45,000 | 43,600 | 48,000 | 45,000 | S | S | 45,000 | S |

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Salary data for the following groups are not included in the table: self-employed persons, full-time students, and people whose principal job was less than 35 hours per week. Salary data are for principal job only.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

Table B-82. Median salary of full-time employed 1993 master's degree recipients, by sex, race/ethnicity, and occupation: April 1995

| Occupation | Total | Sex | | Race/ethnicity | | | | |
|---|----------|----------|----------|---------------------|---------------------|----------|---------------------------|--------------------------------|
| | | Male | Female | White, non-Hispanic | Black, non-Hispanic | Hispanic | Asian or Pacific Islander | American Indian/Alaskan Native |
| All employed science and engineering graduates..... | \$40,000 | \$42,000 | \$35,000 | \$40,000 | \$39,500 | \$36,000 | \$42,000 | \$30,000 |
| Occupation type | | | | | | | | |
| Total scientists..... | 40,000 | 42,000 | 35,000 | 38,000 | 43,000 | 33,000 | 42,500 | S |
| Total engineers..... | 45,000 | 45,000 | 44,500 | 45,000 | 44,000 | 49,700 | 42,000 | S |
| Total other occupations..... | 35,000 | 36,000 | 34,000 | 34,500 | 35,300 | 34,000 | 38,000 | S |
| Occupation 2/ | | | | | | | | |
| Computer and mathematical scientists..... | 45,000 | 47,000 | 41,000 | 46,000 | S | S | 45,000 | S |
| Life and related scientists..... | 33,000 | 32,000 | 34,000 | 35,000 | S | S | S | S |
| Physical scientists..... | 37,000 | 38,000 | 36,000 | 37,000 | S | S | 35,000 | S |
| Social and related scientists..... | 29,500 | 30,000 | 28,500 | 29,300 | S | S | S | S |
| Engineers..... | 45,000 | 45,000 | 44,500 | 45,000 | 44,000 | 49,700 | 42,000 | S |
| Managers and related occupations..... | 40,000 | 45,000 | 38,000 | 40,000 | S | S | S | S |
| Health and related occupations 1/..... | 33,000 | 30,000 | S | 30,000 | S | S | S | S |
| Educators other than S&E postsecondary.... | 34,000 | 34,100 | 34,000 | 34,000 | S | S | S | S |
| Social services and related occupations..... | 30,000 | S | 30,800 | 30,000 | S | S | S | S |
| Technicians including computer programmers..... | 38,000 | 40,000 | 35,000 | 38,000 | S | S | 40,000 | S |
| Sales and marketing occupations..... | 37,000 | 38,000 | 36,000 | 36,500 | S | S | S | S |
| Other occupations..... | 30,000 | 34,000 | 29,200 | 28,200 | S | S | S | S |

1/ Health-related majors are not included in sample. Salaries are not representative of those received by health-related occupations.

2/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Salary data for the following groups are not included in the table: self-employed persons, full-time students, and people whose principal job was less than 35 hours per week. Salary data are for principal job only.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

**Table B-83. Median salary of full-time employed 1993 master's degree recipients,
by broad sector of employment and field of degree: April 1995**

| Major field | Total | Broad sector of employment | | |
|--|----------|-------------------------------------|----------------------------|------------|
| | | Private industry and business 1/ | Educational institution | Government |
| All science and engineering fields..... | \$40,000 | \$42,500 | \$30,000 | \$36,100 |
| Major type | | | | |
| Total science..... | 35,500 | 40,000 | 30,000 | 32,000 |
| Total engineering..... | 44,500 | 45,000 | 36,000 | 45,000 |
| Major field | | | | |
| Computer and mathematical sciences, total..... | 45,000 | 46,000 | 31,000 | S |
| Computer science and information sciences..... | 47,000 | 47,000 | S | S |
| Mathematics and related sciences..... | 36,000 | 42,000 | 29,000 | S |
| Life and related sciences, total..... | 33,000 | 36,000 | 28,000 | 29,000 |
| Agricultural and food sciences..... | 29,400 | 32,000 | S | S |
| Biological sciences..... | 33,000 | 36,800 | 27,000 | S |
| Environmental life sciences including forestry sciences..... | 35,000 | 43,000 | S | S |
| Physical and related sciences, total..... | 38,000 | 40,000 | 32,000 | 37,000 |
| Chemistry, except biochemistry..... | 38,500 | 40,000 | S | S |
| Earth sciences, geology, and oceanography..... | 36,600 | 35,000 | S | 35,500 |
| Physics and astronomy..... | 39,700 | 38,000 | S | S |
| Other physical sciences..... | S | S | S | S |
| Social and related sciences, total..... | 31,000 | 32,500 | 30,000 | 30,000 |
| Economics..... | 30,000 | 30,600 | S | S |
| Political science and related sciences..... | 35,000 | 35,000 | 30,000 | 33,500 |
| Psychology..... | 30,000 | 30,000 | 30,000 | 30,000 |
| Sociology and anthropology..... | 29,000 | 25,000 | S | S |
| Other social sciences..... | 32,000 | 35,000 | 29,700 | 33,000 |
| Engineering, total..... | 44,500 | 45,000 | 36,000 | 45,000 |
| Aerospace and related engineering..... | 44,500 | 42,000 | S | 50,000 |
| Chemical engineering..... | 47,000 | 48,000 | S | S |
| Civil and architectural engineering..... | 40,000 | 39,500 | S | 43,000 |
| Electrical, electronic, computer and communications engineering..... | 46,000 | 47,000 | S | S |
| Industrial engineering..... | 43,500 | 44,500 | S | S |
| Mechanical engineering..... | 43,700 | 43,700 | S | S |
| Other engineering..... | 45,000 | 45,000 | S | 47,000 |

1/ Nonprofit included with private industry and business.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Salary data for the following groups are not included in the table: self-employed persons, full-time students, and people whose principal job was less than 35 hours per week. Salary data are for principal job only.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995

**Table B-84. Median salary of full-time employed 1993 master's degree recipients,
by broad sector of employment and occupation: April 1995**

| Occupation | Total | Broad sector of employment | | |
|---|----------|-------------------------------------|-----------------------------|------------|
| | | Private industry and business 1/ | Educational institutions | Government |
| All employed science and engineering graduates..... | \$40,000 | \$42,500 | \$30,000 | \$36,100 |
| Occupation type | | | | |
| Total scientists..... | 40,000 | 43,000 | 29,500 | 31,800 |
| Total engineers..... | 45,000 | 45,000 | 38,000 | 44,500 |
| Total other occupations..... | 35,000 | 37,000 | 30,000 | 33,000 |
| Occupation 3/ | | | | |
| Computer and mathematical scientists..... | 45,000 | 46,000 | 31,000 | S |
| Life and related scientists..... | 33,000 | 38,000 | 28,000 | S |
| Physical scientists..... | 37,000 | 40,000 | S | 36,000 |
| Social and related scientists..... | 29,500 | 31,000 | 29,500 | 25,200 |
| Engineers..... | 45,000 | 45,000 | 38,000 | 44,500 |
| Managers and related occupations..... | 40,000 | 43,000 | 32,500 | 38,000 |
| Health and related occupations 2/..... | 33,000 | S | S | S |
| Educators other than S&E postsecondary..... | 34,000 | S | 34,000 | S |
| Social services and related occupations..... | 30,000 | S | S | S |
| Technicians including computer programmers..... | 38,000 | 41,000 | S | S |
| Sales and marketing occupations..... | 37,000 | 37,000 | S | S |
| Other occupations..... | 30,000 | 29,200 | S | 34,000 |

1/ Nonprofit included with private industry and business.

2/ Health-related majors are not included in sample. Salaries are not representative of those received by health-related occupations.

3/ Science and engineering categories include postsecondary educators. For more details see technical notes.

KEY: S = Data with weighted values less than 100 or unweighted sample sizes less than 20 are suppressed for reasons of respondent confidentiality and/or data reliability.

NOTE: Salary data for the following groups are not included in the table: self-employed persons, full-time students, and people whose principal job was less than 35 hours per week. Salary data are for principal job only.

SOURCE: National Science Foundation/SRS, National Survey of Recent College Graduates, 1995